

ABSTRACT

A profiled stent for supporting and maintaining the patency of lumens in living tissue. The profiled stent includes a plurality of support members, each of the support members having a first side, a second side positioned opposite the first side, a third side adjoining the first and second sides, a fourth side positioned opposite the third side adjoining the first and second sides. Four corners are defined by the adjoining first, second, third, and fourth sides. At least one of the support members of the stent is profiled such that the four corners of that support member are round, while the first and second sides are substantially flat or, stated differently, exhibit substantially similar radii of curvature.